

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference RA/P303321WO	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/GB2005/000216	International filing date (day/month/year) 21/01/2005	(Earliest) Priority Date (day/month/year) 23/01/2004
Applicant SUPREME PLASTICS HOLDINGS LIMITED		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 7 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☒ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the title,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

APPLICATION OF ZIPPERS TO A MOVING FILE MATERIAL

5. With regard to the abstract,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

a. the figure of the **drawings** to be published with the abstract is Figure No. 1

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

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International application No.

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Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

An apparatus for application of zippers to a moving film material (10) comprises an applicator bar (22) for presenting pre-cut lengths of zipper (25) to the film and a heated sealing bar (34) for sealing the pre-cut lengths to the film. The applicator bar, the sealing bar, feed rollers (30a, 30b) and a zipper cutter (32) are mounted for movement with the film on a linear motor (14). A pneumatic cylinder (18) raised the application bar towards the film (10). The applicator bar moves in direction C to apply the zipper to the film (10) moving in direction A, then moves with the sealing bar and the film in direction B, away from the film in direction C', back to its starting position in direction B', then towards the film again in direction C. A further length of zipper may be fed to the applicator bar at any time after the bar has moved away from the film in direction C' and therefore during an end portion of the forward stroke of the motor, or during its return stroke.

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B31B19/90 B31B1/90

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B31B B65B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/097341 A (SUPREME PLASTICS HOLDINGS LIMITED; LEIGHTON, MURRAY, EDWARD, BRUCE) 27 November 2003 (2003-11-27) cited in the application page 3, line 7 - page 4, line 14; figure 1	1,5-9,13
A		2-4, 10-12
A	DE 12 15 571 B (THE MOLINS ORGANISATION LIMITED) 28 April 1966 (1966-04-28) column 4, line 12 - line 41; figures 1-5	1,5-9,13
A	DE 198 29 111 A1 (ICOMA FBS GMBH PACKTECHNIK) 2 March 2000 (2000-03-02) column 1, line 25 - column 2, line 31; figures 1-4	7
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

11 April 2005

Date of mailing of the international search report

27/04/2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 37 15 146 A1 (ICOMA PACKTECHNIK GMBH; ICOMA PACKTECHNIK GMBH, 3222 FREDEN, DE) 1 December 1988 (1988-12-01) column 7, line 47 - line 63; figures 1-5 column 10, line 23 - line 36 -----	1,9
A	US 5 937 615 A (FORMAN ET AL) 17 August 1999 (1999-08-17) column 4, line 66 - column 5, line 44; figures 7,12 -----	1,9

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International application No.
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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☒ Claims Nos.: 14, 15
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest.

☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.2

Claims Nos.: 14,15

Claims 14 and 15 do not comply with Rule 6.2(a) PCT

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

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Information on patent family members

International Application No

PCT/GB2005/000216

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 03097341	A	27-11-2003	AU 2003232333 A1	02-12-2003
			CA 2486845 A1	27-11-2003
			EP 1506087 A1	16-02-2005
			WO 03097341 A1	27-11-2003
			GB 2405374 A	02-03-2005
DE 1215571	B	28-04-1966	NONE	
DE 19829111	A1	02-03-2000	FR 2780333 A1	31-12-1999
			IT MI991250 A1	04-12-2000
DE 3715146	A1	01-12-1988	NONE	
US 5937615	A	17-08-1999	US 5944425 A	31-08-1999
			AT 233205 T	15-03-2003
			CA 2236365 A1	22-11-1998
			DE 69811561 D1	03-04-2003
			DE 69811561 T2	13-11-2003
			EP 0879767 A1	25-11-1998
			US 6139662 A	31-10-2000
			US 6350057 B1	26-02-2002
			US 6371644 B1	16-04-2002
			US 2001010253 A1	02-08-2001
			US 2002118896 A1	29-08-2002